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August 1964

PHOTOGRAPHIC INTERPRETATION REPORT

POSSIBLE AMM-ASSOCIATED ELECTRONIC
FACILITIES, MOSCOW SAM SITES E24-1
AND E33-1, USSR

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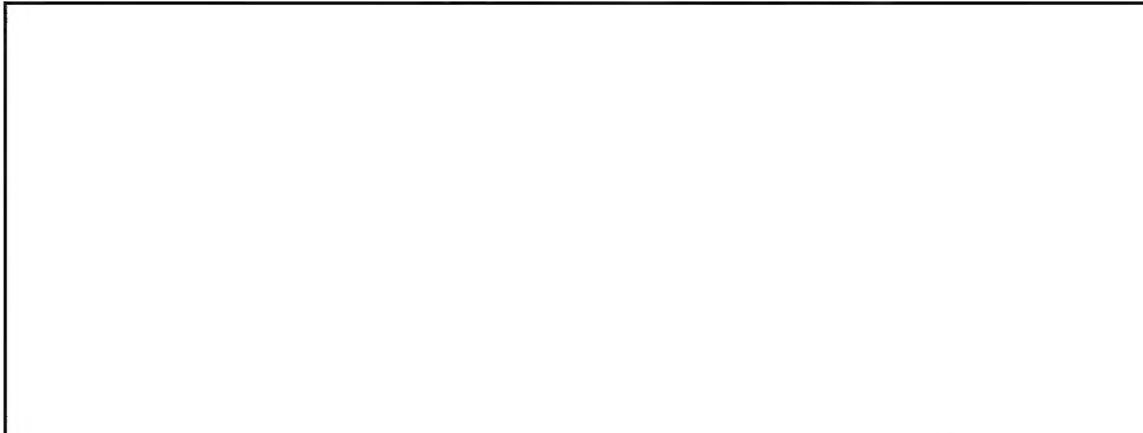


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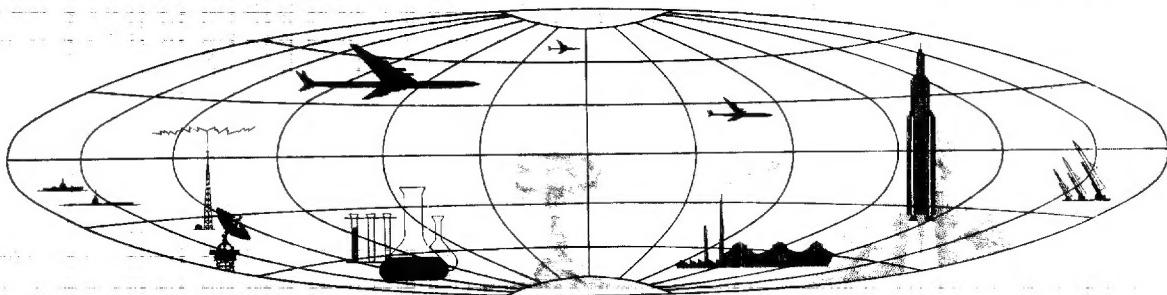
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**POSSIBLE AMM-ASSOCIATED ELECTRONIC FACILITIES,
MOSCOW SAM SITES E24-1 AND E33-1, USSR**

An analysis of Moscow SAM Sites E24-1 and E33-1 (Figure 1) was undertaken to determine changes that occurred at the possible antimissile missile (AMM) - associated electronic facilities on small-scale [redacted] photography [redacted]

[redacted] This report supplements and updates a previous report 1/, and, because of the good quality of the [redacted] photography, provides information on some facilities not covered by previous reports. This photog-

raphy also has made it possible to acquire more-reliable mensuration.

The most significant new development is the installation of rings on the three triad buildings at SAM Site E24-1 and on two of the triad buildings at Site E33-1. Additional construction was noted at the T-shaped building pattern at each site, and a new structure paralleling the large triad building at Site E33-1 was observed. New construction was noted at and near the support area at each site.

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MOSCOW SAM SITE E24-1

Site E24-1 (Figures 2 and 3) is located at 55-21-04N 36-29-27E, approximately 45 nautical miles (nm) southwest of Moscow. The last coverage of the site [redacted] at which time interpretation was hampered by snow cover.

A new section has been added to the security fence since the [redacted] coverage. The secured area includes the building triad, six of the SA-1 launch positions with associated control bunker (Figure 3, item 1), and several small buildings.

ring with an elevated platform in its center. The ring on the large building measures 85 feet in diameter and seems to be slightly elevated above the level of the flat roof, while the rings on the small buildings measure [redacted] in diameter and appear to be nearly flush with the roofs. To date in the Moscow area, the rings have appeared only at Sites E24-1 and E33-1.

An unidentified structure (item 5) adjacent and parallel to the southwest end of the large triad building, and a passageway or conduit between the two, were observed [redacted] [redacted] The connecting structure has disappeared on photography [redacted] and adjacent ground scarring indicates that it is in the process of being earth covered.

A second ground scar between the two small triad buildings has appeared. The new scar parallels the previously reported scar and connects the other two corners of the buildings.

A square structure 40 by 40 feet [redacted] [redacted] has been constructed at the center of

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No significant exterior changes in the building triad [redacted] are in evidence on the [redacted] photography. New mensuration on the good-quality photography indicates the large rectangular building (item 2) of the triad to be 240 by 140 feet [redacted] and the two smaller triad buildings (items 3 and 4) to be 115 by 105 feet [redacted]. On the roof of each of the three buildings there appears a

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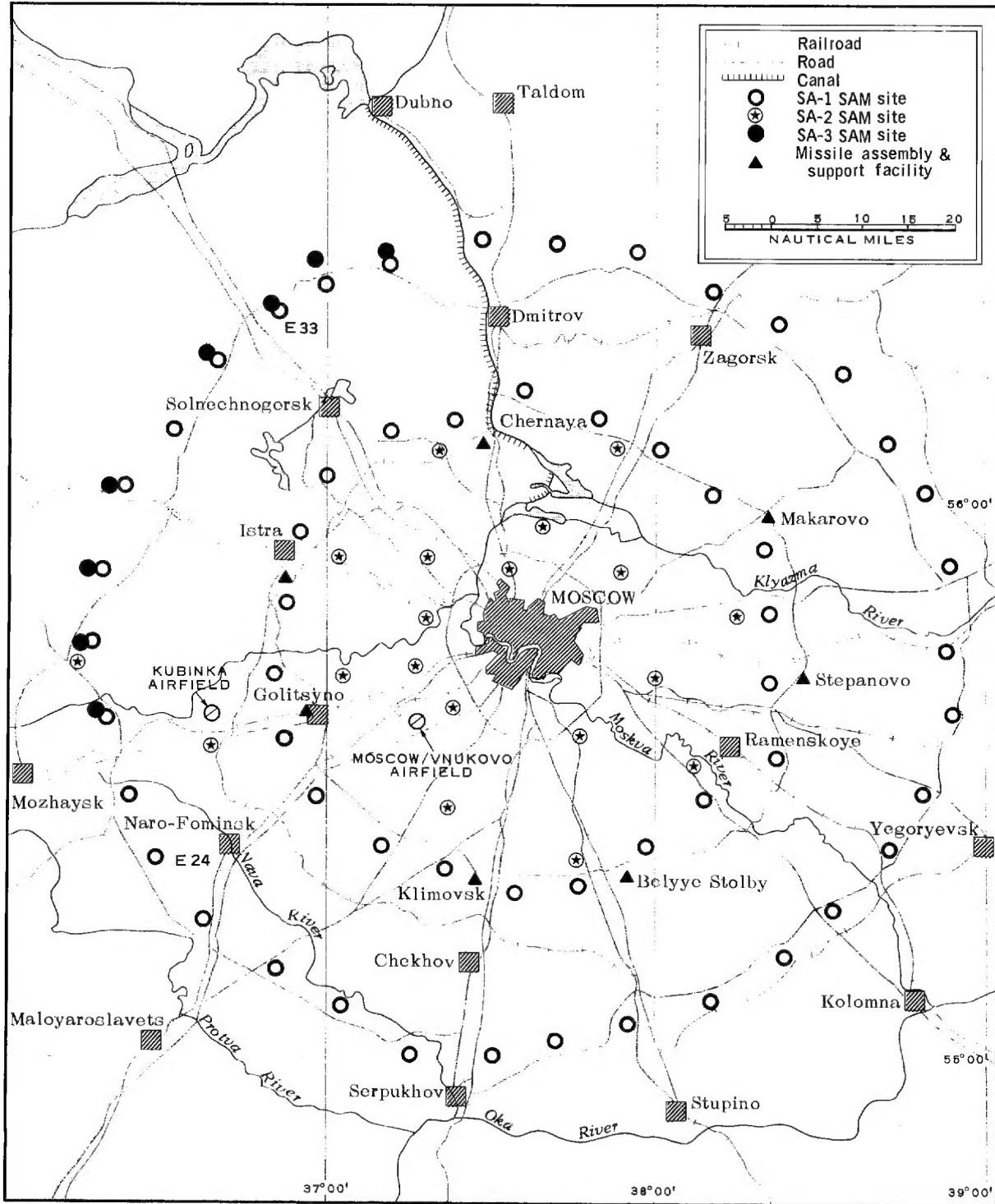


FIGURE 1. LOCATION OF MOSCOW SAM SITES E24-1 AND E33-1.

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FIGURE 2. MOSCOW SAM SITE E24-1

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the T-shaped building (item 6). This newly observed structure probably was present [redacted] but its presence could not be verified because of snow conditions.

A new building 150 by 65 feet [redacted] [redacted] (item 7) has been added near the entrance road to the triad and is within the secured area.

LAUNCH AREA

No apparent change in the launch area [redacted] [redacted] can be observed.

GUIDANCE AREA

No apparent change in the guidance area [redacted] [redacted] can be observed.

SUPPORT AREA

Numerous additions at and near the support area are noted, due to better image quality. These include eight new buildings, a stack or mast, and a stack or standpipe, all added [redacted] [redacted] and eight other buildings and an area of minor activity, newly observed but all probably present [redacted] [redacted]

The eight buildings added [redacted] [redacted] (items 8-15) are in and near an area of new construction. Four parallel and offset buildings (items 8-11), with dimensions of 145 by 35 feet, one building 195 by 40 feet (item 12), and two smaller buildings (items 13 and 14) are within the new area; the eighth building (item 15) is

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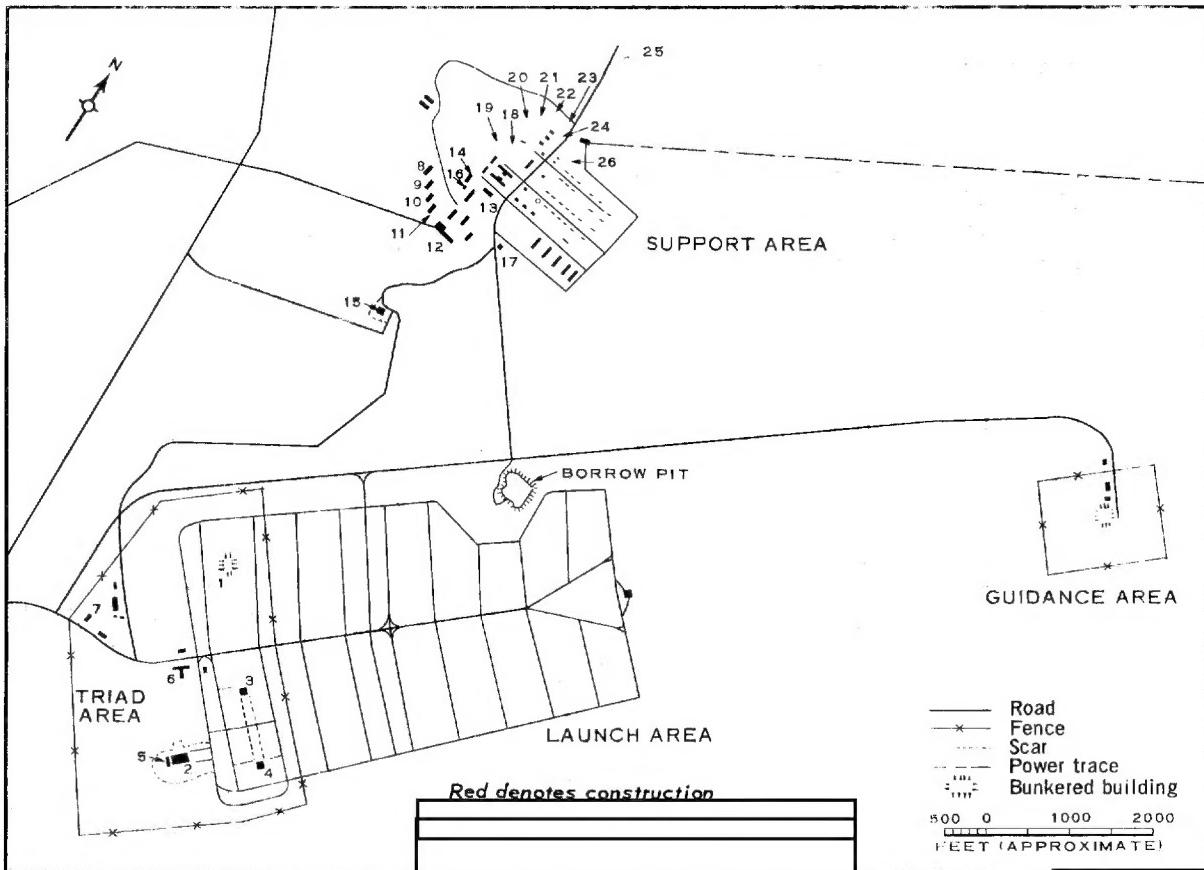


FIGURE 3. LAYOUT OF MOSCOW SAM SITE E24-1.

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in a small clearing to the south of the support area. The new stack or mast (item 16) is located very close to, and is probably associated with, a previously reported large building immediately northeast of the four offset buildings. The stack or standpipe (item 17) is located near the entrance road to the support area.

The eight other buildings (items 18-25) consist of two large administrative-type buildings (items 18 and 19), five small buildings of

unidentified function (items 20-24), and a building 140 by 50 feet [] (item 25) also of unidentified function. The latter building is located to the north of the support area and has been under construction [].

[] The area of minor activity (item 26) consists of a small excavation with a possible concrete structure in it, and is located on the north edge of the housing portion of the support area.

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MOSCOW SAM SITE E33-1

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This site (Figures 4 and 5) is located at 56-20-00N 36-48-27E, approximately 45 nm northwest of Moscow. The last coverage of the

site prior [] at which time interpretation was limited by snow cover.

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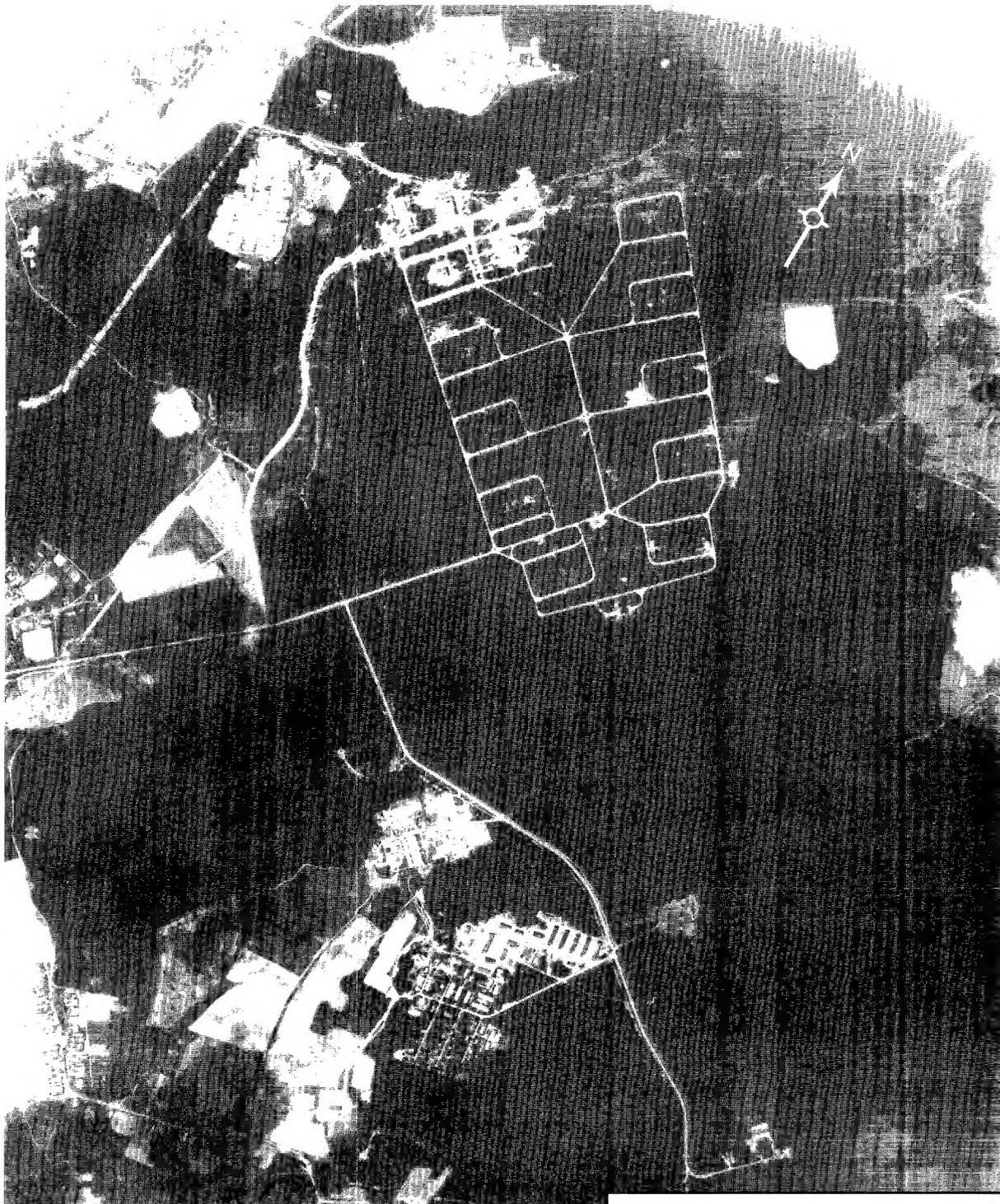


FIGURE 4. MOSCOW SAM SITE E33-1.

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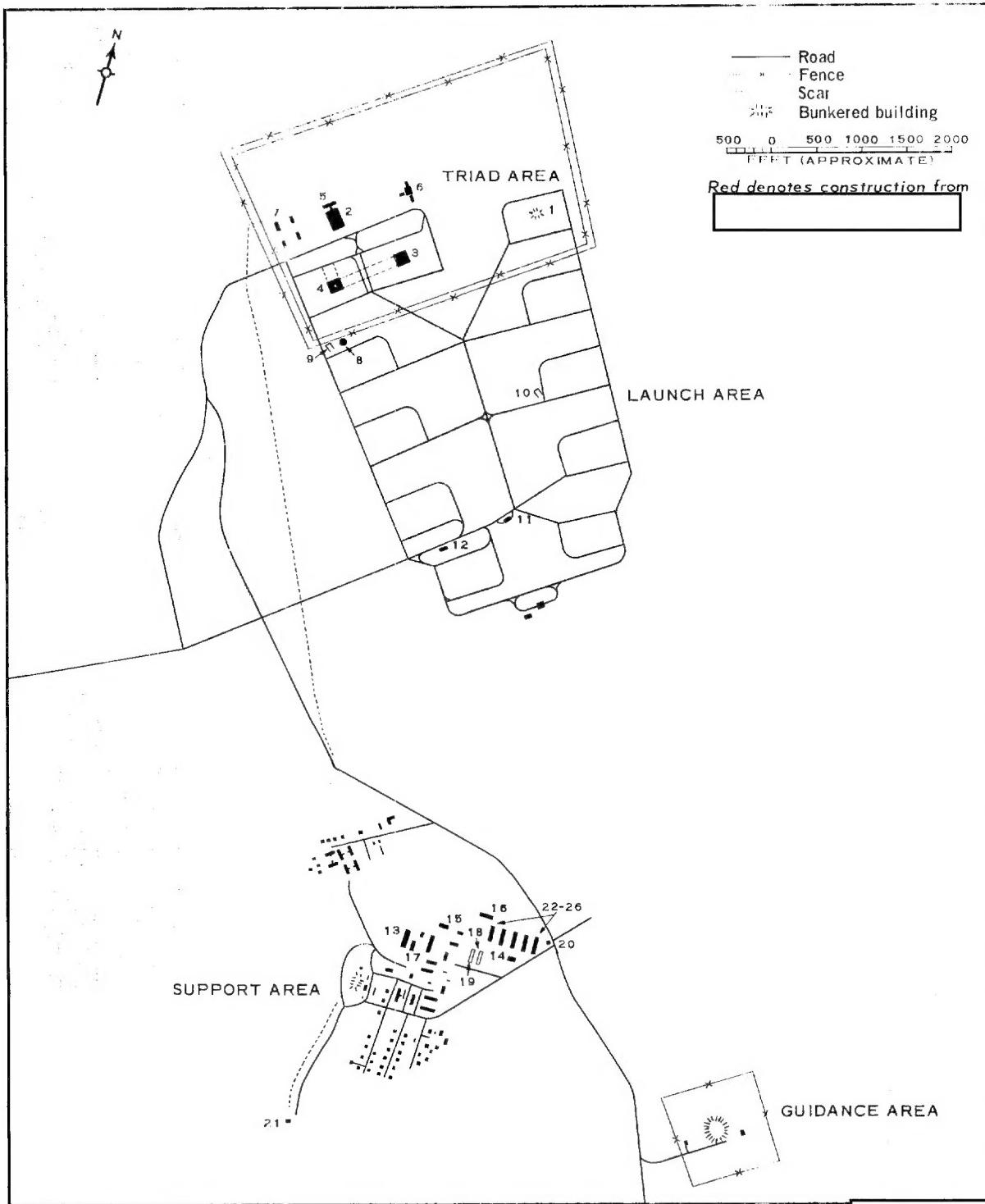


FIGURE 5. LAYOUT OF MOSCOW SAM SITE E33-1.

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A security system enclosing the building triad, associated buildings, and six of the SA-1 launch positions with associated control bunker (Figure 5, item 1) has been constructed [redacted]. It consists of a double fence-line which forms a rectangle enclosing approximately 228 acres.

TRIAD AREA

No extensive exterior changes in the building triad [redacted] are in evidence on the [redacted] photography. New mensuration shows the large rectangular building (item 2) of the triad to be 240 by 140 feet [redacted] and the two smaller triad buildings (items 3 and 4) to be 115 by 105 feet [redacted]. A ring with an elevated platform in its center appears on the roof of the large triad building and on the roof of one of the smaller associated buildings (item 3). A circular pattern is taking shape around a similar elevated platform on the other small associated building. The ring on the small triad building measures [redacted] and appears to be nearly flush with the flat roof, while the ring on the large building is 85 feet in diameter and is slightly raised above the level of the roof.

An unidentified structure measuring 135 by 30 feet [redacted] (item 5), adjacent and parallel to the northwest end of the large triad building, has been built [redacted]. It appears to be identical to the structure observed at Site E24-1 [redacted]. A probable passageway or conduit, very low in profile, connects the new structure with the large triad building and appears to be complete.

A square structure has been built at the center of the previously reported buildings which form a T-shaped pattern (item 6). The new building measures 40 by 40 feet [redacted] and appears to complete the "T."

A new building 145 by 70 feet [redacted]

high (item 7) has been added west of the large triad building. An unidentified ground scar leads from the support area to the new building.

LAUNCH AREA

A new mastlike object (item 8) is located in a clearing outside the security fence, south of the triad. Low-profile possible revetting (item 9) is located immediately to the southwest of the mastlike object. A second clearing with low-profile possible revetting (item 10) is observed along one of the rib roads, near the right center of the herringbone pattern. Two new buildings (items 11 and 12) are located within the herringbone pattern along the south side of the entrance road.

GUIDANCE AREA

No apparent change in the guidance area [redacted] can be observed.

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SUPPORT AREA

Five new buildings located in an area of new construction have been added [redacted]. The largest building (item 13) is 275 by 65 feet; the others are 100 by 45 feet (item 14), 200 by 50 feet (item 15), 130 by 45 feet (item 16), and 60 by 30 feet (item 17). Also located in the new area are a small excavation (item 18), a small foundation (item 19), and a newly constructed stack or standpipe (item 20).

In addition, a newly observed building (item 21), which has been under construction [redacted] is within a cleared area southwest of the support area. The building is similar to one at Site E24-1 (Figure 3, item 25), measures 140 by 50 feet [redacted] and is of unidentified function.

New mensuration of five apartment-type buildings which were previously reported (items 22-26) shows them to be 225 by 50 feet [redacted]

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REFERENCES

PHOTOGRAPHY



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MAPS OR CHARTS

DIA. US Air Target Chart, Series 200, Sheet 0154-22HL, 2d ed, Mar 63, scale 1:200,000 (SECRET)

DIA. US Air Target Chart, Series 200, Sheet 0167-4HL, 2d ed, Mar 63, scale 1:200,000 (SECRET)

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DOCUMENTS

1. NPIC. R-219/64, *Possible AMM-Associated Facilities, Moscow Area, USSR* Apr 64 (TOP SECRET)

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RELATED DOCUMENTS

NPIC. R-103/64, *Possible Antimissile Missile Associated Facilities, Moscow Area, USSR*, Feb 64 (TOP SECRET)

NPIC. R-280/64, *Possible AMM-Associated Facility, SAM Site E15-1, Moscow, USSR*, May 64 (TOP SECRET)

REQUIREMENT

CIA. C-SI4-81,505

NPIC PROJECT

N-698/64

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